

## FAA/NASA/Industry Airport Planning Workshop - Speakers Final Program

### Technology – Smart Solutions for Airport Capacity

- Bring your airport challenges to brainstorming breakouts on new approaches to airside, terminal and landside planning
- Learn from case studies how airports are using today's technology to address capacity needs
- Discover how advances in Information Technology and Modeling and Simulation promote safe and efficient designs and cooperation among airport stakeholders
- Discuss emerging technologies and strategies for introducing them at your airport

**Tuesday, September 12<sup>th</sup>, 2006**

8:00	<b>Sign-In - Continental Breakfast</b> - Sponsored by <i>HNTB Corporation</i>
9:00	<b>Welcome</b> <b>Dr. Thomas A. Edwards</b> , Director of Aeronautics, NASA Ames Research Center
9:10	<b>Introductory Remarks</b> <b>Dennis Roberts</b> , Director, Office of Airport Planning and Programming, FAA
9:30	<b>Key Note Presentation - "The Technology Avalanche: A Look at the Future"</b> <b>David Evans</b> , Chief Technologist, Innovations Team, Internet Business Solutions Group, Cisco Systems, Inc.
10:00	<b>Break</b>

## SESSION 1: Today's Airport Planning Issues, Needs and Solutions

10:30	<p><b>Executive Panel of Air Transportation System Stakeholders: Perspectives on Today's Airport Planning Issues, Needs and Solutions</b></p> <p><b>Moderator:</b> <i>Gregory Principato</i>, President Airports Council International- North America</p> <p><b>Panelists:</b></p> <ul style="list-style-type: none"> <li>• <b>Dennis Roberts</b>, Director, Office of Airport Planning and Programming, FAA</li> <li>• <b>Randall H. Walker</b>, Director, Department of Aviation, Clark County, Nevada</li> <li>• <b>Joseph E. Richardson, Jr.</b>, Airport Properties Manager, UPS</li> <li>• <b>Steve Martin</b>, CFO, Senior VP, Policy and Planning, ACI-NA</li> <li>• <b>Kurt Haukohl</b>, Aviation Safety Consultant, California</li> </ul> <p><b>Discussion</b></p>
12:15	<b>Lunch</b> – Sponsored by <i>Booz / Allen / Hamilton</i>

## SESSION 2: Today's Airport Planning Issues, Needs and Solutions

	<b>2A: Airside</b>	<b>2B: Terminal</b>	<b>2C: Landside</b>
1:00	<p><b>Moderator:</b> <i>Michael Floyd</i> Director of Planning, Hartsfield-Jackson Atlanta International Airport</p> <p><b>Speakers:</b> <i>Michael Cheyne</i> Director, Airport Planning Seattle-Tacoma International Airport "A New Runway Initiative"</p> <p><i>Matt Davis</i>, Senior Aviation Planning Manager – Airfield/Airspace Hartsfield-Jackson Atlanta International Airport "Taxiway Solutions to Improve Capacity and Lessons Learned"</p> <p><i>Bert Ganoung</i>, Manager, Aircraft Noise Abatement San Francisco International Airport "Capacity Management and Delay Reduction."</p>	<p><b>Moderator:</b> <i>Kim Day</i> Director Leigh Fisher Associates</p> <p><b>Speakers:</b> <i>Mike Golden</i> Senior Director Airport Technology Strategies, Southwest Airlines "An Airline's Perspective On Airport Planning"</p> <p><i>Keith Thompson</i> Gensler "3D, 4D and Building Information Modeling: Get Ready, Planners!"</p> <p><i>Faith Varwig</i> Principal Faith Group "Pushing Out the Process"</p>	<p><b>Moderator:</b> <i>Danielle Rinsler</i> Director of Planning, San Francisco International Airport</p> <p><b>Speakers:</b> <i>Allen Parra</i> VP of Operations, Operations Department, DFW International Airport Board "Today's Airport Planning Issues, Needs and Solutions – Landside."</p> <p><i>Scott King</i> Senior Aviation Planner Port of Portland "Portland International Airport: Regional Planning"</p> <p><i>Evert Meyer</i> Principal Booz   Allen   Hamilton "Airport Planning to meet the needs of Low Cost Carriers"</p>

2:45	Break		
<div>SESSION 3: Modeling and Simulation Solutions</div> <div>Case Studies and Open Discussion</div>			
3:15	<div>3A: Airside</div> <div>Moderator: <b>Evan Futterman</b> Chairman Aviation Services HNTB Corporation</div> <div>Speakers: <b>Berta Fernandez</b> Executive Vice President Landrum and Brown “Melbourne Taxiway Delay Analysis – SIMMOD Case Study”</div> <div><b>Mike Madson</b> Ames Research Center, NASA “Operational Insights Gained During a Real-Time Simulation of the O’Hare Modernization Program Airport Layout”</div> <div><b>Prakash Subramanian and Chris Oswald</b> Leigh Fisher Associates, “TAAM Simulation for Runway Safety, Phoenix Sky Harbor International Airport (PHX)”</div>	<div>3B: Terminal</div> <div>Moderator: <b>Ellen Wright</b> Chief of Aviation Technology Los Angeles World Airports</div> <div>Speakers: <b>Anna Fantoni</b> Principal Consultant Leigh Fisher Associates and <b>Frank Clark</b> Executive Director LAXTEC “Simulation Modeling Applications, Tom Bradley International Terminal, Los Angeles International Airport”</div> <div><b>Gerald Douglas</b> Director – Transportation Security Initiatives, Lockheed Martin and <b>Roger Chamberlain</b> Founder and Technology Advisor, Exegy Corp., and Associate Professor, Washington University, St. Louis “Modeling and Simulation: Thoughts for the Future”</div>	<div>3C: Landside</div> <div>Moderator: <b>Jim Green</b> Vice President DMJM Aviation. Inc.</div> <div>Speakers: <b>Gloria Bender</b> Managing Principal TransSolutions “Landside Simulation: Change the Smart Way”</div> <div><b>Ronald C. Siecke</b> Associate Vice President HNTB Corporation “Exploring New Frontiers in the use of VISSIM for Airport Simulation”</div> <div><b>Sam Lott</b> Senior Vice President Kimley-Horn and Associates “Hybrid Simulation Techniques for the Analysis of Landside and Terminal Capacity Issues”</div>
	Reception - Sponsored by SAIC and Leigh Fisher Associates		
5:00-6:30			

Wednesday, September 13 <sup>th</sup> , 2006	
8:00	<b>Full Breakfast</b> - Sponsored by <i>MultiGen-Paradigm</i>
<b>SESSION 4: Information Technology Solutions</b>	
8:30	<p style="text-align: center;"><b><i>The Integrated Airport</i></b></p> <p><b>Moderator:</b>  <b><i>Randall H. Walker</i></b>, Director, Department of Aviation, Clark County, Nevada</p> <ul style="list-style-type: none"> <li>• <b><i>John Newsome</i></b>, Director – Information Technology, Greater Orlando Aviation Authority  “The Broad Vision of Integrated Airport IT Systems: Solutions and Benefits”</li> <li>• <b><i>Tim Mitchell</i></b>, Principal Avionics Engineer, <i>Boeing</i>  “The Outdoor Wireless Airport, Web-enabled Applications”</li> <li>• <b><i>Tom Duffy</i></b>, President, Safegate Airport Systems, Inc.  “Efficient Ramp Management”</li> <li>• <b><i>Gabriel Rey</i></b>, Senior Program Manager, PSOMAS  “Electronic Data Management Systems (GIS, etc.)”</li> </ul>
10:15	<b>Break</b>
<b>SESSION 5: Information Technology Solutions</b>	
10:45	<p style="text-align: center;"><b><i>Airport Security</i></b></p> <p><b>Moderator:</b>  <b><i>William Flowers</i></b>, Vice President of Information Technology Services, DFW International Airport</p> <ul style="list-style-type: none"> <li>• <b><i>Yotam Margalit</i></b>, Dir. of Marketing, Industrial Security, Homeland Protection – Transportation Business, General Electric Company  “Combining Automated Threat Detection with Passenger Convenience in Designs for Future Checkpoints”</li> <li>• <b><i>Enrique Melendez</i></b>, Vice President – Information Systems, Carter - Burgess  “Passenger Processing and Screening Solutions”</li> <li>• <b><i>John Shoemaker</i></b>, President, Shipcom Wireless  “Baggage Processing and Screening – RFID and Other Technology”</li> </ul>
12:30	<b>Lunch</b>

## SESSION 6: Future Airport Planning Technology Concepts

### PANEL

1:00	<p><b><i>Panel of Air Transportation System Researchers and Technology Developers</i></b></p> <p><b>Moderator:</b>  <b><i>Dennis Roberts</i></b>, Director, Office of Airport Planning and Programming, FAA</p> <ul style="list-style-type: none"> <li>• <b><i>Dorsey Demaster</i></b>, Advanced Flight Systems, <i>UPS</i>  “Airport Surface Automation”</li> <li>• <b><i>Sandy Lozito</i></b>, Principal Investigator, NGATS-ATM Airportal Project, NASA Ames Research Center  “Surface Technology for Agile Air Transportation System”</li> <li>• <b><i>Randy Null</i></b> – Assistant Administrator for Operational Processes &amp; Technology/CIO/CTO, DHS/TSA  “Technology for Improved Security”</li> <li>• <b><i>Mark Powell</i></b>, Chief Technology Officer, FAA  “NAS Information Management – 25 year vision”</li> </ul>
2:45	<b>Break</b>
3:00	<b>CLOSING REMARKS: FAA and NASA</b>
3:15 - 5:30	<p><b>NASA SimLabs Tours (Optional)</b></p> <ul style="list-style-type: none"> <li>• <b>FutureFlight Central</b></li> <li>• <b>Crew Vehicle System Research Facility</b></li> </ul>